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OIPE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/046,671B

DATE: 11/05/2002  
 TIME: 16:27:52

Input Set : N:\Crf4\10212002\J046671A.raw  
 Output Set: N:\CRF4\11052002\J046671B.raw

p-6

C--> 1 <110> APPLICANT: Boot, Hendrik J.  
 2 Huurne ter, Anna A.H.M  
 3 Peeters, Bernardus P.H.  
 4 <120> TITLE OF INVENTION: Mosaic Infectious Bursal Disease Virus Vaccines  
 5 <130> FILE REFERENCE: 2183-5238US  
 6 <140> CURRENT APPLICATION NUMBER: US/10/046,671B  
 7 <141> CURRENT FILING DATE: 2002-01-14  
 8 <150> PRIOR APPLICATION NUMBER: PCT/NL00/00493  
 9 <151> PRIOR FILING DATE: 2000-07-13  
 10 <150> PRIOR APPLICATION NUMBER: EP 99202316.8  
 11 <151> PRIOR FILING DATE: 1999-07-14  
 12 <160> NUMBER OF SEQ ID NOS: 87  
 13 <170> SOFTWARE: PatentIn Ver. 2.1  
 15 <210> SEQ ID NO: 1  
 16 <211> LENGTH: 6  
 17 <212> TYPE: DNA  
 18 <213> ORGANISM: Artificial Sequence  
 19 <220> FEATURE:  
 20 <223> OTHER INFORMATION: Description of Artificial Sequence: KpnI restriction site  
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 22 ggtaac 6  
 24 <210> SEQ ID NO: 2  
 25 <211> LENGTH: 16  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Infectious bursal disease virus  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: misc\_feature  
 30 <223> OTHER INFORMATION: Primer ANCl  
 31 <400> SEQUENCE: 2  
 32 ggggacccgc gaacgg 16  
 34 <210> SEQ ID NO: 3  
 35 <211> LENGTH: 18  
 36 <212> TYPE: DNA  
 37 <213> ORGANISM: Infectious bursal disease virus  
 38 <220> FEATURE:  
 39 <221> NAME/KEY: misc\_feature  
 40 <223> OTHER INFORMATION: Primer RTAM  
 41 <400> SEQUENCE: 3  
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 44 <210> SEQ ID NO: 4  
 45 <211> LENGTH: 18  
 46 <212> TYPE: DNA  
 47 <213> ORGANISM: Infectious bursal disease virus

ENTERED

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48 <220> FEATURE:
49 <221> NAME/KEY: misc_feature
50 <223> OTHER INFORMATION: Primer RTAP
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54 <210> SEQ ID NO: 5
55 <211> LENGTH: 30
56 <212> TYPE: DNA
57 <213> ORGANISM: Infectious bursal disease virus
58 <220> FEATURE:
59 <221> NAME/KEY: misc_feature
60 <223> OTHER INFORMATION: Primer HY3P
61 <400> SEQUENCE: 5
62     aacgttttcc tcacaatccg cgggactggg                                     30
64 <210> SEQ ID NO: 6
65 <211> LENGTH: 22
66 <212> TYPE: DNA
67 <213> ORGANISM: Infectious bursal disease virus
68 <220> FEATURE:
69 <221> NAME/KEY: misc_feature
70 <223> OTHER INFORMATION: Primer AGTM
71 <400> SEQUENCE: 6
72     gagactccca ggtacctcac tc                                     22
74 <210> SEQ ID NO: 7
75 <211> LENGTH: 18
76 <212> TYPE: DNA
77 <213> ORGANISM: Infectious bursal disease virus
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <223> OTHER INFORMATION: Primer AC3
81 <400> SEQUENCE: 7
82     ggtagccaca tgtgacag                                     18
84 <210> SEQ ID NO: 8
85 <211> LENGTH: 21
86 <212> TYPE: DNA
87 <213> ORGANISM: Infectious bursal disease virus
88 <220> FEATURE:
89 <221> NAME/KEY: misc_feature
90 <223> OTHER INFORMATION: Primer HY3MR
91 <400> SEQUENCE: 8
92     ccagtcccg cggattgtgag g                                     21
94 <210> SEQ ID NO: 9
95 <211> LENGTH: 17
96 <212> TYPE: DNA
97 <213> ORGANISM: Infectious bursal disease virus
98 <220> FEATURE:
99 <221> NAME/KEY: misc_feature
100 <223> OTHER INFORMATION: Primer M13F-17
101 <400> SEQUENCE: 9

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102      gtaaaacgac ggccagt                               17
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107 <213> ORGANISM: Infectious bursal disease virus
108 <220> FEATURE:
109 <221> NAME/KEY: misc_feature
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117 <213> ORGANISM: Infectious bursal disease virus
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <223> OTHER INFORMATION: Primer AC9
121 <400> SEQUENCE: 11
122      ctcaaagaag atggagacc                               19
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127 <213> ORGANISM: Infectious bursal disease virus
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129 <221> NAME/KEY: misc_feature
130 <223> OTHER INFORMATION: Primer M13F-24
131 <400> SEQUENCE: 12
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134 <210> SEQ ID NO: 13
135 <211> LENGTH: 22
136 <212> TYPE: DNA
137 <213> ORGANISM: Infectious bursal disease virus
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <223> OTHER INFORMATION: Primer AC5
141 <400> SEQUENCE: 13
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146 <212> TYPE: DNA
147 <213> ORGANISM: Infectious bursal disease virus
148 <220> FEATURE:
149 <221> NAME/KEY: misc_feature
150 <223> OTHER INFORMATION: Primer AGTP
151 <400> SEQUENCE: 14
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154 <210> SEQ ID NO: 15
155 <211> LENGTH: 21
156 <212> TYPE: DNA

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157 <213> ORGANISM: Infectious bursal disease virus
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <223> OTHER INFORMATION: Primer vvVP3CM
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165 <211> LENGTH: 22
166 <212> TYPE: DNA
167 <213> ORGANISM: Infectious bursal disease virus
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <223> OTHER INFORMATION: Primer M13R
171 <400> SEQUENCE: 16
172     tcacacagga aacagctatg ac                                22
174 <210> SEQ ID NO: 17
175 <211> LENGTH: 30
176 <212> TYPE: DNA
177 <213> ORGANISM: Infectious bursal disease virus
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <223> OTHER INFORMATION: Primer ATG3
181 <400> SEQUENCE: 17
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185 <211> LENGTH: 18
186 <212> TYPE: DNA
187 <213> ORGANISM: Infectious bursal disease virus
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <223> OTHER INFORMATION: Primer
191 <400> SEQUENCE: 18
192     atccggggccc taaggagg                                    18
194 <210> SEQ ID NO: 19
195 <211> LENGTH: 17
196 <212> TYPE: DNA
197 <213> ORGANISM: Infectious bursal disease virus
198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <223> OTHER INFORMATION: Primer ANC4"
201 <400> SEQUENCE: 19
202     gccaaagtcgg tgtgcag                                    17
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206 <212> TYPE: DNA
207 <213> ORGANISM: Infectious bursal disease virus
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
210 <223> OTHER INFORMATION: Primer HY0P

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211 <400> SEQUENCE: 20
212     tatcattgat ggtcagtaga g                                21
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215 <211> LENGTH: 17
216 <212> TYPE: DNA
217 <213> ORGANISM: Infectious bursal disease virus
218 <220> FEATURE:
219 <221> NAME/KEY: misc_feature
220 <223> OTHER INFORMATION: Primer HY2M
221 <400> SEQUENCE: 21
222     caccggcaca gctatcc                                17
224 <210> SEQ ID NO: 22
225 <211> LENGTH: 26
226 <212> TYPE: DNA
227 <213> ORGANISM: Infectious bursal disease virus
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <223> OTHER INFORMATION: Primer T7EcoRI
231 <400> SEQUENCE: 22
232     ggaattctaa tacgactcac tatagg                        26
234 <210> SEQ ID NO: 23
235 <211> LENGTH: 21
236 <212> TYPE: DNA
237 <213> ORGANISM: Infectious bursal disease virus
238 <220> FEATURE:
239 <221> NAME/KEY: misc_feature
240 <223> OTHER INFORMATION: Primer HY3M
241 <400> SEQUENCE: 23
242     ccagtcccgc ggattgtgag g                                21
244 <210> SEQ ID NO: 24
245 <211> LENGTH: 17
246 <212> TYPE: DNA
247 <213> ORGANISM: Infectious bursal disease virus
248 <220> FEATURE:
249 <221> NAME/KEY: misc_feature
250 <223> OTHER INFORMATION: Primer M13F
251 <400> SEQUENCE: 24
252     gtaaaacgac ggccagt                                17
254 <210> SEQ ID NO: 25
255 <211> LENGTH: 16
256 <212> TYPE: DNA
257 <213> ORGANISM: Infectious bursal disease virus
258 <220> FEATURE:
259 <221> NAME/KEY: misc_feature
260 <223> OTHER INFORMATION: Primer HY4M
261 <400> SEQUENCE: 25
262     ccggcacagc tatcct                                16
264 <210> SEQ ID NO: 26
265 <211> LENGTH: 17

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RAW SEQUENCE LISTING ERROR SUMMARY  
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Input Set : N:\Crf4\10212002\J046671A.raw  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:77; Xaa Pos. 222,242,253,256,279,284,290,294,299,330,451,541,680,685

Seq#:77; Xaa Pos. 715

Seq#:81; Xaa Pos. 4,13,61,145,146,147,242,287,390,393,508,511,546,562,646

Seq#:81; Xaa Pos. 687,695,880,881

Seq#:84; Xaa Pos. 14,45,74,125,133

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 20

## VERIFICATION SUMMARY

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Input Set : N:\Crf4\10212002\J046671A.raw

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L:6 M:270 C: Current Application Number differs, Wrong Format  
L:1406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:208  
L:1410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:240  
L:1414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:272  
L:1416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:288  
L:1420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:320  
L:1436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:448  
L:1446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:528  
L:1464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:672  
L:1468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:704  
L:1906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0  
L:1912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:48  
L:1924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:144  
L:1936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:240  
L:1940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:272  
L:1954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:384  
L:1968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:496  
L:1974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:544  
L:1976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:560  
L:1986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:640  
L:1990 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:672  
L:1992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:688  
L:2014 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:864  
L:2016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:880  
L:2288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:0  
L:2292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:32  
L:2296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:64  
L:2302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:112  
L:2304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:128